1/9 100 **START** CREATING A DATA MESSAGE COMPRISING PSEUDORANGE DATA FOR A DESIGNATED LOCATION AND PSEUDORANGE CORRECTIONS FOR A REGION SURROUNDING THE DESIGNATED LOCATION 110 SENDING THE DATA MESSAGE VIA A CELLULAR TELEPHONE CONNECTION TO A BASE STATION LOCATED IN THE DESIGNATED REGION SURROUNDING THE **DESIGNATED LOCATION** <u>120</u> TRANSMITTING THE DATA MESSAGE FROM THE BASE STATION TO A MOBILE POSITION DETERMINATION UNIT USING A RADIO TRANSMITTER <u>130</u> **END**

FIG. 1

TELEPHONE CELLULAR MODULE

<u>224</u> (Optional)

RADIO MODULE <u>223</u> BLUETOOTH MODULE 220 222 GPS MODULE 221

MOBILE POSITION DETERMINATION UNIT

FIG. 2A

CELLULAR TELEPHONE MODULE 214 MODULE **RADIO** 213 **BASE STATION** 210 BLUETOOTH MODULE 212 GPS MODULE 211

200

_			
200	BASE STATION <u>210</u>	<u>210b</u>	CELLULAR TELEPHONE MODULE <u>214</u>
			BLUETOOTH MODULE <u>212 B</u>
			BLUETOOTH MODULE 212 A
		<u>210a</u>	RADIO MODULE <u>213</u>
			GPS MODULE 211

	CE TE N
NATION UNIT	RADIO MODULE <u>223</u>
MOBILE POSITION DETERMINATION UNIT 220	BLUETOOTH MODULE <u>222</u>
MOBILE POS	GPS MODULE <u>221</u>

FIG. 2B

CELLULAR
TELEPHONE
MODULE

224
(Optional)

MOBILE POSITION DETERMINATION UNIT

220

GPS
MODULE
MODULE
222
(Optional)

FIG. 2C

200

BASE STATION

210

CELLULAR TELEPHONE

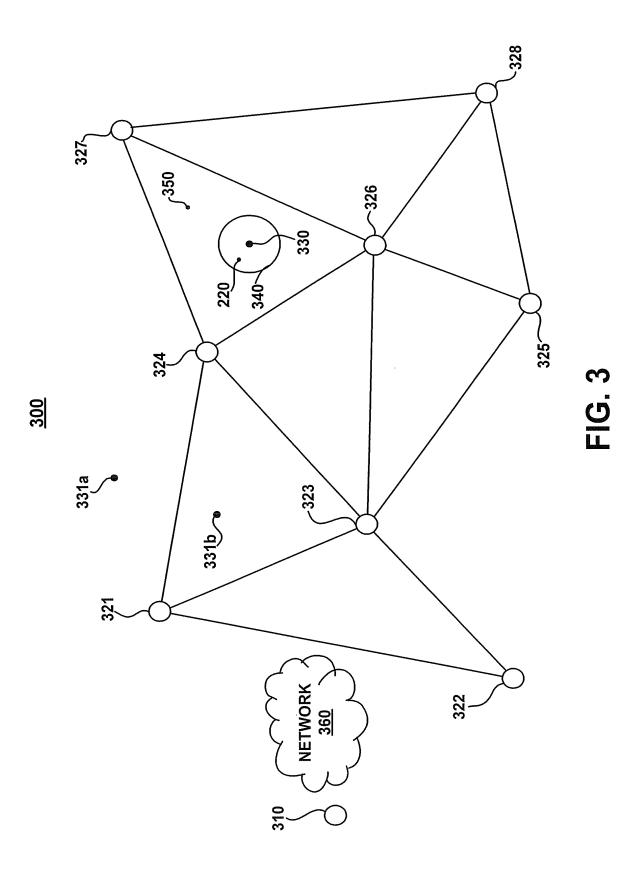
MODULE 214

RADIO MODULE <u>213</u>

> 212 (Optional)

BLUETOOTH

MODULE



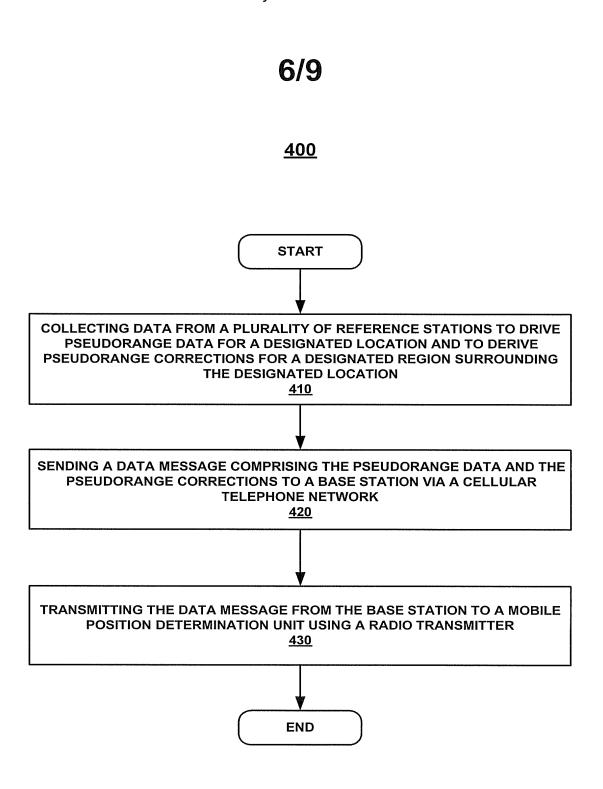


FIG. 4

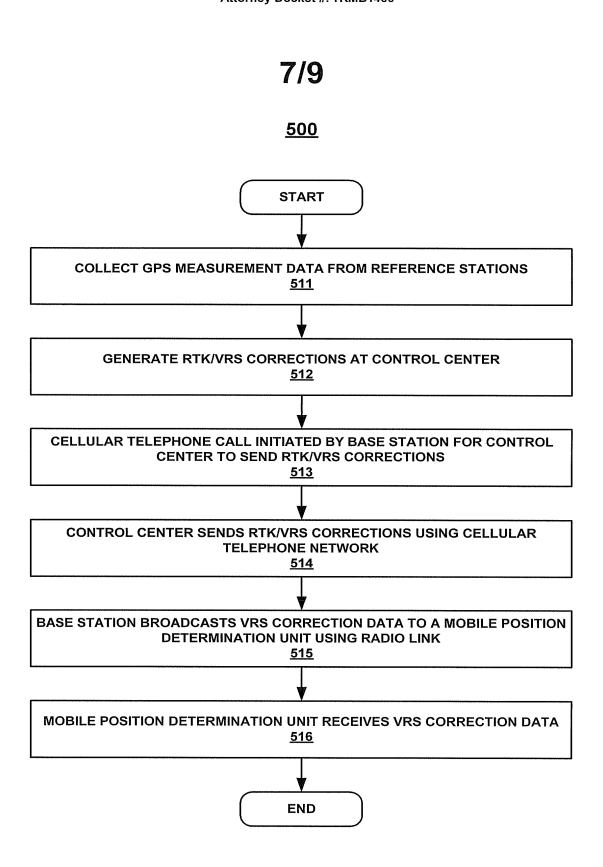


FIG. 5A

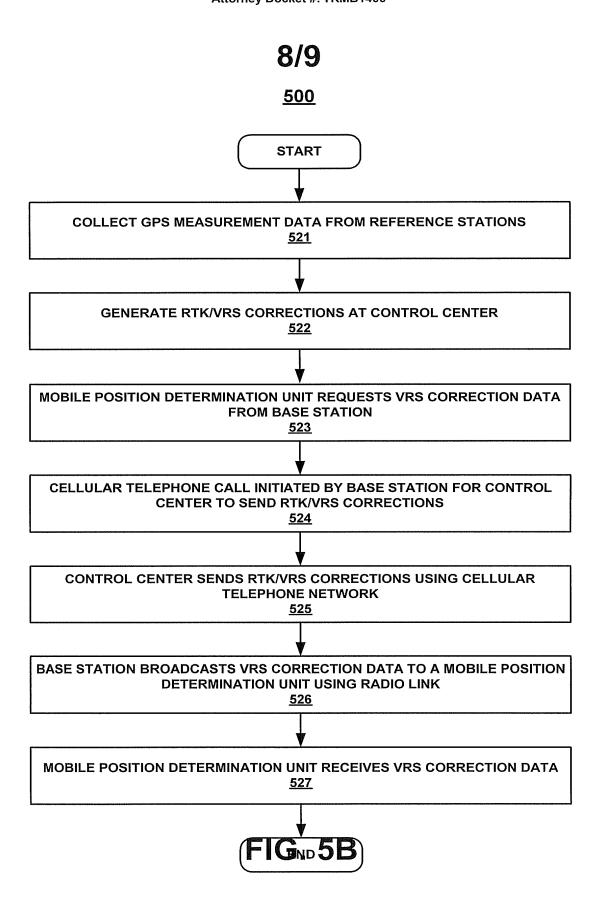


FIG. 5B

